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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

(217)782-1654

September 11, 2000

Debra K. Detmers, Director
Index Department
Administrative Code Division
Office of the Secretary of State
111 East Monroe Street
Springfield, Illinois 62756

Post-It® Fax Note		7671	Date	# of pages
To	Ken Bardo		10-10-00	10
Co./Dept	USEPA		From	Bob Mosher
Phone #	312-876-7566		Co.	IEPA
Fax #	312-353-4342		Phone #	217-782-3362
			Fax #	217-785-1225

Dear Ms. Detmers:

An adopted rulemaking, 35 Ill. Adm. Code 302.669, requires the Illinois Environmental Protection Agency to publish and periodically update a list of derived water quality criteria in the Illinois Register. An original and five copies of the current criteria update are enclosed in format ready for publication. Also enclosed is a computer disk containing the criteria update in WordPerfect format. I respectfully request that this submittal be published in the Illinois Register at the earliest date possible.

Should you have any questions or require further information, please contact Bob Mosher of my staff at 782-3362.

Sincerely,

James B. Park
Chief
Bureau of Water

Enclosures

ILLINOIS REGISTER

ENVIRONMENTAL PROTECTION AGENCY

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LISTING OF DERIVED WATER QUALITY CRITERIA

Pursuant to 35 Ill. Adm. Code 302.Subpart F, the following water quality criteria have been derived as listed. This listing includes only the waterbodies for which water quality criteria have been used during the period May 1, 2000 through July 31, 2000.

A cumulative listing of criteria as of July 31, 1993 was published in 17 Ill. Reg. 18904, October 29, 1993. Listings of waterbodies for which water quality criteria were used during subsequent three month periods were published in 18 Ill. Reg. 318, January 7, 1994; 18 Ill. Reg. 4457, March 18, 1994; 18 Ill. Reg. 8734, June 10, 1994; 18 Ill. Reg. 14166, September 9, 1994; 18 Ill. Reg. 17770, December 9, 1994; 19 Ill. Reg. 3563, March 17, 1995; 19 Ill. Reg. 7270, May 26, 1995; 19 Ill. Reg. 12527, September 1, 1995; 20 Ill. Reg. 649, January 5, 1996; 20 Ill. Reg. 4829, March 22, 1996; 20 Ill. Reg. 7549, May 30, 1996; 20 Ill. Reg. 12278, September 6, 1996; 20 Ill. Reg. 15619, December 6, 1996; 21 Ill. Reg. 3761, March 21, 1997; 21 Ill. Reg. 7554, June 13, 1997; 21 Ill. Reg. 12695, September 12, 1997; 21 Ill. Reg. 18193, December 12, 1997; 22 Ill. Reg. 5131, March 13, 1998; 22 Ill. Reg. 10689, June 12, 1998; 22 Ill. Reg. 16376, September 11, 1998; 22 Ill. Reg. 22423, December 28, 1998; 23 Ill. Reg. 3102, March 12, 1999; 23 Ill. Reg. 6979, June 11, 1999; 23 Ill. Reg. 11774, September 24, 1999; 23 Ill. Reg. 14772, December 27, 1999; 24 Ill. Reg. 4251, March 17, 2000; and 24 Ill. Reg. 8146, June 9, 2000.

Chemical: Acenaphthene	CAS #83-32-9
Acute criterion: 124 ug/l	Chronic criterion: 9.9 ug/l
Date criteria derived: November 14, 1991	
Applicable waterbodies:	

Not used during this period.

Chemical: Acetone	CAS #67-64-1
Acute criterion: 1,530 mg/l	Chronic criterion: 122 mg/l
Date criteria derived: May 25, 1993	
Applicable waterbodies:	

Not used during this period.

Chemical: Acetonitrile	CAS #75-05-8
Acute criterion: 375 mg/l	Chronic criterion: 30 mg/l
Date criteria derived: December 7, 1993	
Applicable waterbodies:	

Not used during this period.

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Chemical: Acrylonitrile	CAS #107-13-4
Acute criterion: 910 ug/l	Chronic criterion: 73 ug/l
Human health criterion (HNC): 0.21 ug/l	
Date criteria derived: November 13, 1991	
Applicable waterbodies:	
Not used during this period.	
Chemical: Anthracene	CAS #120-12-7
Human health criterion (HTC): 35 mg/l	
Date criteria derived: August 18, 1993	
Applicable waterbodies:	
Not used during this period.	
Chemical: Benzene	CAS #71-43-2
Acute criterion: 1,300 ug/l	Chronic criterion: 110 ug/l
Human health criterion (HNC): 21 ug/l	
Date criteria derived: August 15, 1990, revised January 14, 1999	
Applicable waterbodies:	
Not used during this period.	
Chemical: Benzo(a)anthracene	CAS #56-55-3
Human health criterion (HNC): 0.01 ug/l	
Date criteria derived: August 10, 1993	
Applicable waterbodies:	
Not used during this period.	
Chemical: Benzo(a)pyrene	CAS #50-32-8
Human health criterion (HNC): 0.01 ug/l	
Date criteria derived: August 10, 1993	
Applicable waterbodies:	
Not used during this period.	
Chemical: Benzo(b)fluoranthene	CAS # 205-99-2
Human health criterion (HNC): 0.01 ug/l	
Date criteria derived: August 10, 1993	
Applicable waterbodies:	
Not used during this period.	

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Chemical: Benzo(k)fluoranthene CAS #207-08-9

Human health criterion (HNC): 0.01 ug/l

Date criteria derived: August 10, 1993

Applicable waterbodies:

Not used during this period.

Chemical: Carbon tetrachloride CAS #56-23-5

Acute criterion: 3,500 ug/l

Chronic criterion: 280 ug/l

Human health criterion (HNC): 1.4 ug/l

Date criteria derived: June 18, 1993

Applicable waterbodies:

Not used during this period.

Chemical: Chlorobenzene

CAS #108-90-7

Acute criterion: 993 ug/l

Chronic criterion: 79 ug/l

Date criteria derived: December 11, 1991

Applicable waterbodies:

Not used during this period.

Chemical: Chloroform

CAS #67-66-3

Acute criterion: 1,870 ug/l

Chronic criterion: 150 ug/l

Human health criterion (HNC): 130 ug/l

Date criteria derived: October 26, 1992

Applicable waterbodies:

Not used during this period.

Chemical: Chrysene

CAS #218-01-9

Human health criterion (HNC): 0.01 ug/l

Date criteria derived: August 10, 1993

Applicable waterbodies:

Not used during this period.

Chemical: 1,2-dichlorobenzene

CAS #95-50-1

Acute criterion: 210 ug/l

Chronic criterion: 16.8 ug/l

Date criteria derived: December 1, 1993

Applicable waterbodies:

Not used during this period.

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Chemical: 1,3-dichlorobenzene	CAS #541-73-1
Acute criterion: 500 ug/l	Chronic criterion: 196 ug/l
Date criteria derived: July 31, 1991	
Applicable waterbodies:	
Not used during this period.	
Chemical: 1,2-dichloroethane	CAS #107-06-2
Acute criterion: 24,900 ug/l	Chronic criterion: 4,540 ug/l
Human health criterion (HNC): 23 ug/l	
Date criteria derived: March 19, 1992	
Applicable waterbodies:	
Not used during this period.	
Chemical: 1,1-dichloroethylene	CAS #75-35-4
Acute criterion: 3,030 ug/l	Chronic criterion: 242 ug/l
Human health criterion (HNC): 0.95 ug/l	
Date criteria derived: March 20, 1992	
Applicable waterbodies:	
Not used during this period.	
Chemical: 2,4-dichlorophenol	CAS #120-83-2
Acute criterion: 631 ug/l	Chronic criterion: 83.1 ug/l
Date criteria derived: November 14, 1991	
Applicable waterbodies:	
Not used during this period.	
Chemical: 1,2-dichloropropane	CAS #78-87-5
Acute criterion: 4,800 ug/l	Chronic criterion: 380 ug/l
Date criteria derived: December 7, 1993	
Applicable waterbodies:	
Not used during this period.	
Chemical: 1,3-dichloropropylene	CAS #542-75-6
Acute criterion: 99 ug/l	Chronic criterion: 7.9 ug/l
Date criteria derived: November 13, 1991	
Applicable waterbodies:	
Not used during this period.	

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Chemical: 2,4-dimethyl phenol	CAS #105-67-9
Acute criterion: 740 ug/l	Chronic criterion: 220 ug/l
Date criteria derived: October 26, 1992	
Applicable waterbodies:	
Not used during this period.	
Chemical: 4,6-dinitro-o-cresol = 2-methyl-4,6-dinitrophenol	CAS #534-52-1
Acute criterion: 28.8 ug/l	Chronic criterion: 2.3 ug/l
Date criteria derived: November 14, 1991	
Applicable waterbodies:	
Not used during this period.	
Chemical: 2,4-dinitrophenol	CAS #51-28-5
Acute criterion: 85.3 ug/l	Chronic criterion: 4.07 ug/l
Date criteria derived: December 1, 1993	
Applicable waterbodies:	
Not used during this period.	
Chemical: 2,6-dinitrotoluene	CAS #606-20-2
Acute criterion: 1,910 ug/l	Chronic criterion: 153 ug/l
Date criteria derived: February 14, 1992	
Applicable waterbodies:	
Not used during this period.	
Chemical: Diquat	CAS #85-00-7
Acute criterion: 1,330 ug/l	Chronic criterion: 106 ug/l
Date criteria derived: January 30, 1996	
Applicable waterbodies:	
Not used during this period.	
Chemical: Ethylbenzene	CAS #100-41-4
Acute criterion: 220 ug/l	Chronic criterion: 17 ug/l
Date criteria derived: August 15, 1990, revised May 17, 1991	
Applicable waterbodies:	
07120001-2731/off Wiley Creek	
07120003-0005/off Little Calumet River	

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Chemical: Fluoranthene CAS #206-44-0
Human health criterion (HTC): 120 ug/l
Date criteria derived: August 10, 1993
Applicable waterbodies:

Not used during this period.

Chemical: Hexachlorobenzene CAS #118-74-1
Human health criterion (HNC): 0.00025 ug/l
Date criteria derived: November 15, 1991
Applicable waterbodies:

Not used during this period.

Chemical: Hexachlorobutadiene CAS #87-68-3
Acute criterion: 34.5 ug/l Chronic criterion: 2.76 ug/l
Date criteria derived: March 23, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Hexachloroethane CAS #67-72-1
Acute criterion: 381 ug/l Chronic criterion: 30.5 ug/l
Human health criterion (HNC): 2.9 ug/l
Date criteria derived: November 15, 1991
Applicable waterbodies:

Not used during this period.

Chemical: Isobutyl alcohol = 2-methyl-1-propanol
CAS #78-83-1
Acute criterion: 434 mg/l Chronic criterion: 34.8 mg/l
Date criteria derived: December 1, 1993
Applicable waterbodies:

Not used during this period.

Chemical: Methylene chloride CAS #75-09-2
Acute criterion: 17,200 ug/l Chronic criterion: 1,380 ug/l
Human health criterion (HNC): 340 ug/l
Date criteria derived: January 21, 1992
Applicable waterbodies:

Not used during this period.

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Chemical: Methyl ethyl ketone CAS #78-93-3
Acute criterion: 322,000 ug/l Chronic criterion: 26,000 ug/l
Date criteria derived: July 1, 1992
Applicable waterbodies:

Not used during this period.

Chemical: 4-methyl-2-pentanone CAS #108 10 1
Acute criterion: 46 mg/l Chronic criterion: 3.68 mg/l
Date criteria derived: January 13, 1992
Applicable waterbodies:

Not used during this period.

Chemical: 2-methyl phenol CAS #95-48-7
Acute criterion: 4.7 mg/l Chronic criterion: 0.37 mg/l
Date criteria derived: November 8, 1993
Applicable waterbodies:

Not used during this period.

Chemical: 4-methyl phenol CAS #106-44-5
Acute criterion: 670 mg/l Chronic criterion: 120 mg/l
Date criteria derived: January 13, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Naphthalene CAS #91-20-3
Acute criterion: 670 ug/l Chronic criterion: 68 ug/l
Date criteria derived: November 7, 1991
Applicable waterbodies:

Not used during this period.

Chemical: 4-nitroaniline CAS #100-01-6
Acute criterion: 1.5 mg/l Chronic criterion: 0.12 mg/l
Date criteria derived: May 5, 1996
Applicable waterbodies:

Not used during this period.

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Chemical: Nitrobenzene CAS #98-95-3
Acute criterion: 15.4 mg/l Chronic criterion: 4.67 mg/l
Human health criterion (HTC): 0.52 mg/l
Date criteria derived: February 14, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Pentachlorophenol
Acute criterion: 20 ug/l Chronic criterion: 13 ug/l
Date criteria derived: national criterion, September 1986
Applicable waterbodies:

Not used during this period.

Chemical: Phenanthrene CAS #85-01-8
Acute criterion: 46 ug/l Chronic criterion: 3.7 ug/l
Date criteria derived: October 26, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Pyrene CAS #120-00-0
Human health criterion (HTC): 3,500 ug/l
Date criteria derived: December 22, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Tetrachloroethylene CAS #127-18-4
Acute criterion: 1,220 ug/l Chronic criterion: 152 ug/l
Date criteria derived: March 23, 1992
Applicable waterbodies:

Not used during this period.

Chemical: Tetrahydrofuran CAS #109-99-9
Acute criterion: 216,000 ug/l Chronic criterion: 17,300 ug/l
Date criteria derived: March 16, 1992
Applicable waterbodies:

Not used during this period.

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Chemical: Toluene Acute criterion: 1,300 ug/l Date criteria derived: August 16, 1990, revised May 17, 1991, January 26, 1993 and January 14, 1999 Applicable waterbodies: 07120001-2731/off Wiley Creek 07120003-0005/off Little Calumet River	CAS #108-88-3 Chronic criterion: 110 ug/l
Chemical: 1,2,4-trichlorobenzene Acute criterion: 353 ug/l Date criteria derived: December 14, 1993 Applicable waterbodies: Not used during this period.	CAS #120-82-1 Chronic criterion: 69.2 ug/l
Chemical: 1,1,1-trichloroethane Acute criterion: 4,910 ug/l Date criteria derived: October 26, 1992 Applicable waterbodies: Not used during this period.	CAS #71-55-6 Chronic criterion: 393 ug/l
Chemical: 1,1,2-trichloroethane Acute criterion: 19,000 ug/l Human health criterion (HNC): 12 ug/l Date criteria derived: December 13, 1993 Applicable waterbodies: Not used during this period.	CAS #79-00-5 Chronic criterion: 3,540 ug/l
Chemical: Trichloroethylene Acute criterion: 11,700 ug/l Date criteria derived: October 23, 1992 Applicable waterbodies: Not used during this period.	CAS #79-01-6 Chronic criterion: 940 ug/l
Chemical: Xylenes Acute criterion: 1,500 ug/l Date criteria derived: August 23, 1990, revised January 14, 1999 Applicable waterbodies: 07120001-2731/off Wiley Creek 07120003-0005/off Little Calumet River	CAS # 1330-20-7 Chronic criterion: 120 ug/l

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For additional information concerning these criteria or the derivation process used in generating them,
please contact:

Bob Mosher
Illinois Environmental Protection Agency
Division of Water Pollution Control
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